

1 **WHAT IS CLAIMED IS:**

2 1. A circuit breaker comprising:

3 a housing having an open top and a closed bottom, said housing being formed
4 with three slots (13, 14, 15) in said closed bottom;

5 a grounding prong (24), an output blade (25) and an input blade (26) all
6 extending out of said housing through said slots (13, 14, 15) respectively;

7 said output blade (25) having an inner end provided with a first contact (251);

8 said input blade (26) having an inner end formed with a bimetal strip (27)
9 laterally extending therefrom, said bimetal strip (27) having a distal end provided with a
10 second contact (29) normally engaged with said first contact (251) of said output blade
11 (25);

12 a button (20) pivotally connected to said housing at said open top, said button
13 (20) being formed with a leg (22) extending downward towards said distal end of said
14 strip (27) and a hook (23) pivotally connected to said leg (22) of said button (20), said
15 hook (23) having an arm formed beneath said strip (27);

16 a neon indicator (37) held in said housing and having a first terminal (371) and a
17 second terminal (372), said second terminal (372) of said neon indicator (37) being
18 electrically connected to said output blade (25);

19 a resistor (30) held in said housing and electrically connected between said
20 grounding prong (24) and said first terminal (371) of said neon indicator (37).

21 2. The circuit breaker as claimed in claim 1, wherein said leg (22) of said button
22 (20) terminates in a rounded end.

23 3. The circuit breaker as claimed in claim 1, wherein said housing includes a
24 hollow body (10) and a front cover (30) jointed together.

Accepted for Publication

1 4. The circuit breaker as claimed in claim 2, wherein said hollow body (10) is
2 formed with a plurality of posts (16) and orifices (17), and wherein said front cover (30)
3 is formed with a plurality of sleeves (31) receiving said posts (16) and a plurality of pins
4 (32) extending into said orifices (17) of said hollow body (10).

5 5. The circuit breaker as claimed in claim 3, wherein said hollow body (10) and
6 said front cover (30) are made of plastic, and wherein said posts (16) are thermally
7 bonded to said front cover (30) in said sleeves (31) while said pins (32) are thermally
8 bonded to said hollow body (10) in said orifices (17), thereby joining said hollow body
9 (10) and said front cover (30) together.